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Attorney's Docket No.: 24739-2101G  
(17181-002005)

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Bruce A. Lessey, et. al  
Serial No. : 10/762,441  
Filed : January 21, 2004  
Cust. No. : 20985  
Title : DETERMINATION OF ENDOMETRIAL RECEPTIVITY TOWARD EMBRYO IMPLANTATION

Art Unit : Unknown  
Examiner : Unknown  
Conf. No. : Unknown


Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Transmitted herewith are an Information Disclosure Statement, Form PTO-1449 (5 pages), cited references, and a return postcard for filing in connection with the above-captioned application.

- [X] The Commissioner is hereby authorized to charge any fees that may be due under 37 C.F.R. §§ 1.16-1.17 in connection with this paper or with this application during its entire pendency to Deposit Account No. 06-1050. A duplicate of this sheet is enclosed.

Respectfully submitted,

  
Stephanie L. Seidman  
Reg. No. 33,779

**Address all correspondence to:**  
Stephanie L. Seidman  
Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
Telephone: (858) 678-4777  
Facsimile: (202) 626-7796  
E-mail: seidman@fr.com

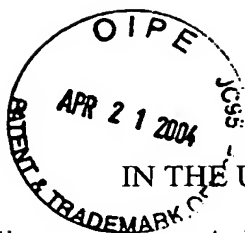
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4/21/04

  
Stephanie L. Seidman



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INFORMATION DISCLOSURE STATEMENT IN ACCORDANCE  
WITH 37 C.F.R. §§ 1.97-1.98

Dear Sir:

Since this Information Disclosure Statement is filed before the receipt of a first Office Action on the merits for the above-captioned application, no filing fee is due. If it is determined that a fee is due, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 06-1050.

In accordance with the duty of disclosure imposed by 37 C.F.R §1.56 to inform the Patent Office of all references known by Applicant or Applicant's representative that may be material to the examination of the subject application, Applicant's representative hereby provides this Information Disclosure Statement that is prepared in accordance with 37 C.F.R. §§1.97-1.98. Form PTO-1449 (5 pages) is provided herewith in connection with the above-captioned application. The cited documents listed on Forms PTO-1449 and marked with an asterisk are not provided herewith as they have been previously provided in connection with U.S. Serial No. 10/463,130, which is relied upon for an earlier filing date in accordance with 35 U.S.C §120.

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Stephanie L. Seidman

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The documents listed on the Forms PTO-1449 are in the English language. Hence, in accordance with the requirements of 37 C.F.R. §1.98, as amended effective March 16, 1992, no further explanation of the listed items is necessary.

Although these documents are made known to the Patent and Trademark Office in compliance with Applicant's duty of disclosure, such disclosure is not to be construed as an admission by Applicant or Applicant's representative that any of the references, singly or in any combination thereof, is effective as prior art against the subject application. In accordance with 37 C.F.R §1.97(h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Applicant respectfully requests that the Examiner review the foregoing references and make them of record in the file history of the above-captioned application.

Respectfully submitted,

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Stephanie L. Seidman  
Reg. No. 33,779

**Address all correspondence to:**

Stephanie L. Seidman  
Fish & Richardson P.C.  
12390 El Camino Real  
San Diego, California 92130  
Telephone: (858) 678-4777  
Facsimile: (202) 626-7796  
E-mail: seidman@fr.com

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement</b> <b>by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 24739-2101G (17181-002005)	Application No. 10/762,441
	Applicant Bruce A. Lessey, et. al		
	Filing Date January 21, 2004	Group Art Unit Unknown	

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	A	2003-0113086	06/19/03 A1	Lessey	435	7.2	09/08/98
	B	2003-0228636	12/11/03 A1	Lessey	435	7.2	06/16/03
	*C	5478725	12/26/95	Lessey	435	7.21	11/19/93
	*D	5279941	01/18/94	Lessey	435	7.21	06/12/92
	*E	5578306	11/26/96	Lessey	424	143.1	03/03/95

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	*F	Albelda et al., "Integrins and other cell adhesion molecules" FESEB J., 4:2868-2880 (1990).
	*G	Albelda et al., "EndoCAM: A novel endothelial cell-cell adhesion molecule", J. Cell Biol. 110:1227-1237 (1990).
	*H	American Fertility Society: Revised American Fertility Society Classification of Endometriosis: 1985 Fertil. Steril., 43:351-352 (1985).
	*I	Anderson T. et al., "Uterine receptivity in the primate development of preimplantation embryos and their environment", pp. 389-399 (1989).
	*J	Anderson T., "Biomolecular markers for the window of uterine receptivity in blastocyst implantation", Yoshinaga K., ed., Sero Symposia.
	*K	Bancroft et al., "Minimal/mild endometriosis and infertility: A review", J. Obstet. Gynaecol. 96:454 (1989).
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	*M	Bennett, et al., "Inhibition of fibrinogen binding to stimulated human platelets by a monoclonal antibody", Proc. Natl. Acad. Sci. USA 80:2417-2421 (1983).
	*N	Bennett et al., "Inhibition of fibrinogen binding to stimulated human platelets by a monoclonal antibody", PNAS 80:2417-2421 (1983).
	*O	Brass et al., "Effect of calcium on the stability of the platelet membrane glycoprotein IIb-IIIa complex", J. Biol. Chem. 260:7876 (1985).
	*P	Brass et al., "Effect of calcium on the stability of the platelet membrane glycoprotein IIb-IIIa complex", JBC 260:7875-7881, 1985.

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <b>Determination Of Endometrial Receptivity Toward Embryo Implantation</b> Substitute Disclosure Form (PTO-1449)	

Substitute Form PTO-1449 (Modified)  <b>Information Disclosure Statement          by Applicant</b> (Use several sheets if necessary)  (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 24739-2101G (17181-002005)	Application No. 10/762,441
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**Other Documents (include Author, Title, Date, and Place of Publication)**

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	*Q	Buck, et al., "Integrin, a transmembrane glycoprotein complex mediating cell-substratum adhesion", J. Cell. Sci. Suppl. 8:231-250 (1987).
	*R	Budwit-Novotny et al., "Immunohistochemical analyses of estrogen receptor in endometrial adenocarcinoma using a monoclonal antibody", Cancer Res. 46:5419-5425 (1986).
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	*AK	Kao, L et al., "The human villous cytotrophoblast: interactions with extracellular matrix proteins, endocrine function, and cytoplasmic differentiation in the absence of syncytium formation", Dev Biol. 130:693-702 (1988).
	*AL	Kohler and Milstein, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497 (1975).
	*AM	Kurzrock R et al., "LIF: Not just a leukemia inhibitory factor", Endocrine Reviews 12:208-217 (1991).

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	*AN	Laemmli, "Cleavage of structural proteins during assembly of the head of bacteriophage T4", Nature 227:680-685 (1970).
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	*AP	Lessey, "The use of integrins for the assessment of uterine receptivity", Fertility and Sterility 61(5):812-814 (1994).
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	*BH	Muscato et al., "Sperm phagocytosis by human peritoneal macrophages: A possible cause of infertility in endometriosis", Am. J. Obstet. Gynecol. 144:503 (1982).

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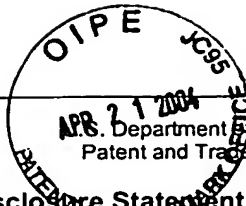
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	*BI	Navot, D. "The window of embryo transfer and the efficiency of human conception in vitro", Fertil & Steril. 55:114-117 (1991).
	*BJ	Navot, D. "An insight into early reproductive processes through the in vivo model of ovum donation", J. Clin. Endocrinol. Metab. 72:408-414 (1991).
	*BK	Navot, D. et al., "Preparation of the human endometrium for implantation", Ann N.Y. Acad. Sci. 622:212-219 (1991).
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	*BN	Pierschbacher et al., "Synthetic peptide with cell attachment activity of fibronectin", PNA 80:1224-1337 (1983).
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	*BP	Psychoyos A. et al., "Embryo-endometrial interactions at implantation of the human embryo", Academic Press Inc. 195-209 (1985).
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	*BW	Sonnenberg A., "Integrin recognition of different cell-binding fragments of laminin and evidence that $\alpha 6 \beta 1$ but not $\alpha 6 \beta 4$ functions as a major receptor for fragment E8", Jour. Cell Bio. 110:2145-2155 (1990).
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	*BY	Sutherland A., "Expression and function of cell surface extracellular matrix receptors in mouse blastocyst attachment and outgrowth", Jour. Cell Bio. 106:1331-1348 (1988).
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	*CA	Tabibzadeh S., "Immunoreactivity of human endometrium: correlation with endometrial dating", Fert. & Steril. 54(4):624-631 (1990).
	*CB	Vanderpuye et al., "A vitronectin-receptor-related molecule in human placental brush border membranes", Biochem. J. 280:9-17 (1991).
	*CC	Vinatier et al., Letters to the editor, Euro J. of Obstetrics & Gyn and Reprod Biol 62:263-265 (1995).

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	*CD	Wilcoxon, "Individual comparisons by ranking methods", Biometrics Bull 1:80-85 1945). (1945).		
	*CE	Yoshinaga K., "aReceptor concept in implantation research development of preimplantation embryos and their environment", pp 379-387 (1989).		
	*CF	Yovich et al., "Hormonal profiles and embryo quality in women with severe endometriosis treated by in vitro fertilization and embryo transfer", Fertil Steril. 50:308 (1988).		

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